



**Additional file 3:** Figure S2. Retraction and growth initiation stage images seen in z-projections. The difference between the retraction and growth initiation stages is apparent throughout the whole spinal cord and is not just a function of which z-plane was chosen for presentation. (A-D) Images of retraction (A,B) and growth initiation (C,D) shown in Figure 2. All are single confocal planes, except (B), which is a z-projection of four planes. (A'-D') Z-projections of all planes through the spinal cord, showing just the axon tracer channel, for the same animals in (A-D). In the retraction stage, fewer axons extend to the end of the cut cord (arrowheads). R, rostral; C, caudal. Scale bars: 200  $\mu\text{m}$  ((A-D) are the same scale; (A'-D') are the same scale).